SUPPORTING INFECTIOUS DISEASE RESEARCH

# Staphylococcus capitis, Strain VCU116

# Catalog No. NR-46394

### **Product Description:**

Staphylococcus capitis (S. capitis), strain VCU116 is of unknown origin. S. capitis, strain VCU116 was deposited to BEI Resources as part of the NARSA collection. NR-46394 was produced by inoculation of the deposited material into Tryptic Soy broth and grown for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles, which were grown 1 day at 37°C in an aerobic atmosphere to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

# Lot: 63406780

# Manufacturing Date: 02APR2015

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TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-positive cocci	Gram-positive cocci
Colony morphology	Report results	Circular, raised, entire, smooth and gray (Figure 1)
Motility (wet mount)	Report results	Non-motile
Hemolysis	Report results	β-hemolytic
1 day at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood		
Biochemical characterization		
Catalase	Positive	Positive
1 day at 37°C in an aerobic atmosphere on Tryptic Soy agar		
Coagulase	Report results	Negative
VITEK <sup>®</sup> MS (MALDI-TOF)	S. capitis	S. capitis (99.9%)
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (~ 1500 base pairs)	≥ 99% sequence identity to <i>S. capitis</i> , strain VCU116 (GenBank: AFTX01000036.1)	99.9% sequence identity to <i>S. capitis</i> , strain VCU116 (GenBank: AFTX01000036.1) <sup>1</sup>
<ul> <li>Purity (post-freeze)</li> <li>7 days at 37°C in an aerobic atmosphere with</li> <li>5% CO<sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood</li> </ul>	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability (post-freeze)	Growth	Growth

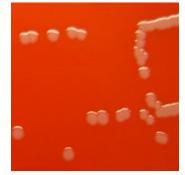
<sup>1</sup>Also consistent with other *Staphylococcus* species

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# **Certificate of Analysis for NR-46394**

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#### Figure 1: Colony Morphology



# /Sonia Bjorum Brower/ Sonia Bjorum Brower

13 MAR 2024

Technical Manager or designee, ATCC Federal Solutions

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